

Title (en)  
Vehicle LED-headlamp

Title (de)  
Fahrzeugscheinwerfer mit LED

Title (fr)  
Phare de véhicule avec DEL

Publication  
**EP 2597361 A3 20150624 (EN)**

Application  
**EP 12193971 A 20121123**

Priority  
JP 2011256718 A 20111124

Abstract (en)  
[origin: EP2597361A2] The present invention is provided with a semiconductor-type light source (2) and a reflector (3). The reflector (3) has reflection surfaces (31U) to (31D). The semiconductor-type light source (2) is disposed at or near a reference focal point F of the reflection surfaces (31 U to 31D). The reflection surfaces (31 U to 31D) are divided into upper and lower sides in a direction in which light is to be radiated from the semiconductor-type light source (2), with respect to an X axis passing through a center O of the semiconductor light source (2) or its proximity. Among the upper and lower reflection surfaces, on the upper side, convergent scattering reflection surfaces (31U to 34U) are disposed, and on the lower side, divergent scattering reflection surfaces (31D to 34D) are disposed. As a result, the present invention is capable of forming an approximately ideal light distribution pattern HPA for high beam.

IPC 8 full level  
**F21S 8/12** (2006.01); **F21S 8/10** (2006.01); **F21V 7/00** (2006.01)

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**B60Q 1/04** (2013.01 - US); **F21S 41/148** (2017.12 - EP US); **F21S 41/151** (2017.12 - EP US); **F21S 41/336** (2017.12 - EP US)

Citation (search report)

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